




Automatic Vehicle and Location System

Patent number: CA2158355
Publication date: 1994-10-13
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Classification:
 - international: -
 - european:
Application number: CA19942158355 19940330
Priority number(s): US19930041953 19930402

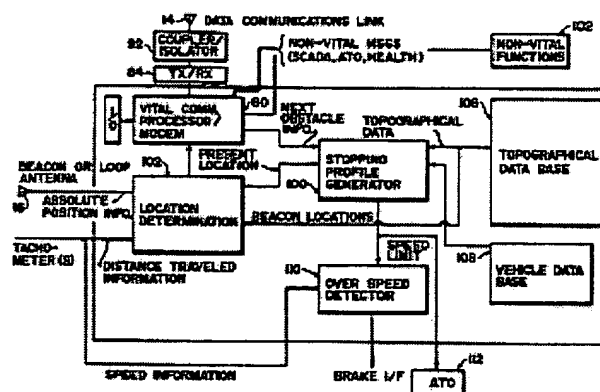
Also published as:

 WO9422704 (A1)
 US5364047 (A1)
 EP0691912 (A4)

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Abstract of CA2158355

A signaling and traffic control system which is capable of a vehicle (2) determining its own absolute position along a guideway (21) based on information received from the wayside (25) using an inductive loop or beacon system (26) in conjunction with the distance traveled according to the onboard tach generator(s) (12), and report its position to a wayside control system (Fig. 3) whereby the wayside control system (Fig. 3) reports to the vehicle (2), as part of its communications message, the location of the closest forward obstacle. Based upon this information, the vehicle (2) controls itself safely based upon its characteristics as contained in a topographical database (106) and a vehicle database (108).



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